

AD_____

Award Number: DAMD17-00-1-0016

TITLE: Changing the Attitudes and Behaviors of Black Men to
Screening for Prostate Cancer

PRINCIPAL INVESTIGATOR: Maxwell Twum, Ph.D.

CONTRACTING ORGANIZATION: Fayetteville State University
Fayetteville, North Carolina 28301-4298

REPORT DATE: March 2001

TYPE OF REPORT: Annual

PREPARED FOR: U.S. Army Medical Research and Materiel Command
Fort Detrick, Maryland 21702-5012

DISTRIBUTION STATEMENT: Approved for Public Release;
Distribution Unlimited

The views, opinions and/or findings contained in this report are
those of the author(s) and should not be construed as an official
Department of the Army position, policy or decision unless so
designated by other documentation.

20010723 145

REPORT DOCUMENTATION PAGE			Form Approved OMB No. 074-0188	
Public reporting burden for this collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing this collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503				
1. AGENCY USE ONLY (Leave blank)	2. REPORT DATE March 2001	3. REPORT TYPE AND DATES COVERED Annual (1 March 2000 - 28 February 2001)		
4. TITLE AND SUBTITLE Changing the Attitudes and Behaviors of Black Men to Screening for Prostate Cancer		5. FUNDING NUMBERS DAMD17-00-1-0016		
6. AUTHOR(S) Maxwell, Twum, Ph.D.				
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) Fayetteville State University Fayetteville, North Carolina 28301-4298 E-Mail: mtwum@uncfsu.edu		8. PERFORMING ORGANIZATION REPORT NUMBER		
9. SPONSORING / MONITORING AGENCY NAME(S) AND ADDRESS(ES) U.S. Army Medical Research and Materiel Command Fort Detrick, Maryland 21702-5012		10. SPONSORING / MONITORING AGENCY REPORT NUMBER		
11. SUPPLEMENTARY NOTES				
12a. DISTRIBUTION / AVAILABILITY STATEMENT Approved for Public Release; Distribution Unlimited			12b. DISTRIBUTION CODE	
13. ABSTRACT (Maximum 200 Words) The objectives of the project are a) to explore the prevailing attitudes toward prostate cancer screening among Black men in the Cape Fear region of North Carolina b) to determine the comparative effectiveness of a one-time presentation of information advocating prostate cancer screening to that of repeated presentations of the message, and c) to determine the characteristics and impact of the agent of information delivery on the attitudes and behaviors of Black men toward screening for prostate cancer. The study involves the presentation of uniform messages advocating the benefits of prostate cancer screening to a group of 120 black men 40 years and older who have never been screened for prostate cancer, nor participated in a prostate cancer education program. Researchers, health professionals, and peer facilitators will deliver educational messages once to one group, and three times to a second group. The comparison of attitudes before exposure to the messages to that after exposure will help determine the impact of the program on attitudes in the groups. Furthermore, the number of men screened following exposure to messages will help determine the impact of the program on behavior change.				
14. SUBJECT TERMS Prostate Cancer, Screening, Black Men, Attitudes, Behaviors			15. NUMBER OF PAGES 71	
			16. PRICE CODE	
17. SECURITY CLASSIFICATION OF REPORT Unclassified	18. SECURITY CLASSIFICATION OF THIS PAGE Unclassified	19. SECURITY CLASSIFICATION OF ABSTRACT Unclassified	20. LIMITATION OF ABSTRACT Unlimited	

Table of Contents

Cover.....	
SF 298.....	
Table of Contents.....	
Introduction.....	1
Body.....	2
Key Research Accomplishments.....	5
Reportable Outcomes.....	6
Conclusions.....	7
References.....	8
Appendices.....	9

Introduction

This project has been designed on the premise that the attitudes of many Black men to screening for prostate cancer present enormous barriers to the control of the disease among Blacks. The objectives of the project are a) to explore the prevailing attitudes toward prostate cancer screening among Black men in the Cape Fear region of North Carolina b) to determine the comparative effectiveness of a one-time presentation of information advocating prostate cancer screening to that of repeated presentations of the message, and c) to determine the characteristics and impact of the agent of information delivery on the attitudes and behaviors of Black men toward screening for prostate cancer. The design of the study involves the presentation of uniform messages advocating the benefits of prostate cancer screening to a group of 120 black men 40 years and older who have never been screened for prostate cancer, nor participated in a prostate cancer education program. Participants are to be recruited from area black churches. Researchers, health professionals, and peer facilitators will deliver educational messages once to one group, and three times to a second group. The comparison of attitudes before exposure to the messages to that after exposure will help determine the impact of the program on attitudes in the groups. Furthermore, the number of men screened following exposure to messages will help determine the impact of the program on behavior change. It will also be possible to determine the relative effectiveness of the agent of the message and its interaction with the frequency of exposure on attitude and behavior change. Findings from this investigation will help researchers, health care professionals, and community leaders determine important variables that need to be considered in the design and delivery of educational programs geared toward changing the attitudes and behaviors of Black men to screening for prostate cancer.

Body

The following are the timelines proposed for the Statement of Work:

Month 1-3

The recruitment effort for this project will occupy the first three months of the project. The PI will contact and solicit support from Black churches, pastors and group leaders in these churches. Contacts the PI has already established with some area churches will make a positive contribution toward obtaining support from the Black community.

Effort in the first 3 months would also be geared toward the gathering, and preparation of educational materials to be used in the project. A final version of questionnaire to be used to obtain information about attitudes towards screening for prostate cancer among potential participants will be developed.

Black men 40 years and older will be eligible to participate in this program. The starting age of 40 is important because individuals who may not have been aware of the risk of prostate cancer would start thinking about how to combat it through screening once they have been exposed to the facts. If one obtains a positive attitude and behavior change following participation at a relatively early age, it is likely the individual may continue on that path and obtain screening when appropriate.

Month 4-6

Between months 4 and 6, questionnaires would be administered to all participants. Students from the university will be trained to administer the questionnaires in direct interviews. The interviews will be performed either in the homes of participants or in churches. While the preliminary information on attitudes is being obtained, the peer leaders and nurses or other health professional in the different churches will be identified and trained in how to present the materials, and manage the educational sessions in the respective churches.

Month 7-18

Between months 7 and 18, there will be discussions of educational materials in the different churches (see Instrumentation for a description of materials). While the educational programs are going on, initial data obtained on the attitudes questionnaires will be coded and analyzed. Preliminary results will be presented and published.

Month 19-23

Between months 19 and 23, a second direct interview questionnaire will be administered. The focus of the second interview will be to determine whether participation in the educational activities has had any significant impact on the attitudes of participants towards screening for prostate cancer. It would also be possible to determine whether as a result of the educational activities, the participants have followed through and obtained screening from their physicians. Data from doctors would be of particular interest at this stage.

Month 24-30

Month 24 to 30 will be devoted to coding and analysis of the data, and the publication of findings. Possible problems that one may encounter may be that some individuals may not be

persistent or consistent in their attendance to these educational sessions. There could also be illness and other emergencies that may cause some individuals in the repeat presentation groups to drop out. Plans will be in place to deal with these problems (see Procedures for dealing with attrition relative to the post-test)

Month 31-36

Month 31-36 will be used for an intensive educational program in area churches. The results of the project will be presented to participants and to congregations that were not included in the study through seminars and workshops. The data and results from the project will be made available to other interested researchers through publicity on the World Wide Web.

None of the proposed statements has been executed as yet because the PI has not obtained Single Project Assurance approval from the Office of Regulatory Compliance and Quality, U.S. Army Medical Research and Materiel Command (USAMRMC).

The following are the chronology of events regarding the grant award:

- 1) Michael Younkens, Chief of Special Projects Branch sent a letter dated September 13, 1999 to Maxwell Twum, Principal Investigator (PI) for the project. The letter informed me about recommendation of funding for the project. It also outlined specific comments from reviewers and other items that had to be addressed.
- 2) On October 8, 1999, Col. Julie Zadinsky, Acting Chair Human Subjects Research Review Board sent a letter to me requesting specific revisions to the protocol and informed consent items.
- 3) Dr. Angela Howard sent me an e-mail message on December 3, 1999 to inquire whether Fayetteville State University (FSU) had Multiple Project Assurance (MPA) from the Office of Protection from Research Risk (OPRR). She informed me about the need to apply for a Single Project Assurance (SPA) from the Department of Defense (DOD) before the protocol for the project could be approved for implementation. She requested for materials related to the SPA to be mailed to Maj. Robert Miller. I passed on the information to Fayetteville State University IRB members to enable them work on the SPA. Ms. Beverly Warren, Director of Sponsored Research and member of FSU IRB contacted Maj. Miller by phone to discuss the SPA application process.
- 4) According to a memorandum from Dr. Howard dated January 24, 2001, the FSU IRB responded by stating that they would submit an application for a DOD SPA, but that this would not occur until all study instruments had been developed. (Please note that the proposal submitted for the grant did not include a survey instrument).
- 5) On January 7, 2000, Dr. Howard sent me an e-mail message in which she wrote that start up monies for the development of a study instrument could be negotiated with Ms. Sherry Regalado, Contract Specialist, U.S. Army Medical Research Acquisition Activity.
- 6) Contract negotiations began soon thereafter between Ms. Regalado and FSU represented by Ms. Beverly Warren. As part of the negotiations, Ms. Regalado sent a letter to Ms. Warren on January 15, 2000. The letter outlined a number of items that were required to complete the grant process. Ms. Warren responded to the request on February 16, 2000. A preliminary study instrument was sent with that letter.

- 7) I sent a fax to Dr. Howard on March 2, 2000 in which I addressed human subject issues raised in the October 8, 1999 letter.
- 8) Fayetteville State University signed the grant award on March 9, 2001.
- 9) I applied for FSU IRB approval for the project on June 19, 2000. The project was approved on July 17, 2000. Ms. Warren contacted Dr. Howard by phone on July 12, 2000 and followed up the conversation with an e-mail message. She informed Dr. Howard about my readiness to request a Single Project Assurance number for the project.
- 10) On July 17, 2000 I received an e-mail from Ms. Catherine Smith (USAMRMC) who identified herself as a point of contact for the SPA negotiations phase for the project. She informed me that the research protocol could not be approved before an SPA had been provided.
- 11) An SPA application was sent to Ms. Catherine Smith on August 14, 2000. I followed up with a message on August 29, 2000 to inquire about progress being made on the SPA application. Ms. Smith informed me on August 30, 2000 that Dr. Howard was working on the protocol.
- 12) On August 31, 2000 I received an e-mail from Dr. Howard who identified herself as the one responsible for reviewing my protocol. She also informed me that no documents had been submitted for the SPA application.
- 13) I forwarded a copy of Dr. Howard's e-mail to Ms. Warren so she could obtain further clarification about the SPA application.
- 14) On September 1, 2000, Ms. Warren contacted Dr. Howard by e-mail to inform her that a copy of the SPA application was being sent to her. She informed Dr. Howard that the application would not contain original signatures because the original had been sent to Ms. Smith in accordance with her message of July 17, 2000.
- 15) Dr. Howard sent a fax to me on September 27, 2000. She requested for copies of all IRB approved versions of my questionnaire, interview instruments and educational materials (i.e., documents being developed for the collection of pretest and post-test attitude data and to assess prostate cancer knowledge among participants).
- 16) On or about November 17, 2000 I contacted Dr. Howard by phone to discuss outstanding issues with the protocol. I followed up the discussion with an e-mail on November 20, 2000 to request further clarifications about the process.
- 17) I received an e-mail from Dr. Howard on November 21, 2000 in which she suggested ways in which issues in the protocol could be addressed.
- 18) Protocol issues were addressed and mailed to Dr. Howard on January 2, 2001. A copy of the study instrument was also submitted.
- 19) Dr. Howard responded with an e-mail and attached memorandum on January 24, 2001. The e-mail outlined further revisions that needed to be made to the protocol, and requested for further information to be made available to her.
- 20) On March 5, 2001 I sent a letter in which all outstanding protocol issues were addressed to Dr. Howard. I also informed her that FSU IRB was working to provide her with the items she requested in her memorandum.
- 21) Dr. Howard has consistently reminded me not to initiate the study until I receive approval from the Contracting Officer and not to construe any correspondence as approval for additional contract funds. I have adhered to those conditions.

Key Research Accomplishments

Study instruments for pretest and post-test attitude measurements have been completed. See appendix for attached copies.

Portable Outcomes

None to report at this time.

Conclusions

None

References

None

Questionnaires

Appendices

Changing the Attitudes and Behaviors of Black Men to Screening for Prostate Cancer

Interview Instrument

Interviewer Name: _____

Interview ID # _____

Date of Interview: _____ / _____ / _____
Month Day Year

General Comments/ Observations _____

General Instructions for Subject Interview:

If the respondent refuses to answer a question during the interview, record the reason they gave for refusing in the space provided next to the item. Do not ask them to tell you the reason for refusing.

GENERAL DEMOGRAPHIC INFORMATION

Ask the respondent the following questions, and record their responses, or make the observation and record the response.

(Unless otherwise indicated, code 99=no response/don't know)

1. What year and month were you born? Month _____ Year _____

2. Have you ever been married?

Yes.....1

No.....2

3. Which of the following best describes you now?

Married.....1

Widowed.....2

Divorced.....3

Separated.....4

4. How long have you been *married, widowed, divorced, or separated*?

[Chose from the response to # 3] _____ years _____ months

(Leave the respondent to give you the length)

5. If you can tell racial background from observation, do so, otherwise:

What group do you believe best describes your racial background?

Black, non-Hispanic1

Other2

6. How tall are you ? _____

7. How much do you weigh? _____

8. Do you live alone?

Yes.....1 *(Continue to #10)*

No.....2 *(Continue to #9)*

9. How many people live with you? _____

(Code 99= no response/don't know)

10. How many living children do you now have? _____

(Code 99=no response/don't know)

11. Do you currently work for pay?

Yes.....1

No.....2 *(Go to #14)*

12. How many hours a week do you work for pay? _____Hours

(Code 99=no response/don't know)

13. What kind of work do you do now? _____

(Ask follow up questions to give as MUCH DETAIL as possible until you feel you know exactly what they did)

14. In what kind of business or industry did you work (for most of your working life)? _____

(Ask follow up questions to give as MUCH DETAIL as possible until you feel you know exactly what they did!)

If Respondent is not currently married: Go to #18

15. Does your spouse currently work for pay?

Yes.....1 *(Continue to #16)*

No.....2 *(Go to #18)*

16. How many hours a week does your spouse work for pay? _____hours

(Code 99-no response/don't know)

17. What kind of work does your spouse do now? _____

*(Ask follow up questions to give as MUCH DETAIL as possible
probe until you feel you know exactly what they did)*

18. In what kind of business or industry did your spouse work (for most of
his/her working life)? _____

*(Ask follow up questions to give as MUCH DETAIL as possible-probe
until you feel you know exactly what they did!)*

19. Do you pay for your health care costs using ... *(read each one
individually and record No=0, and Yes=1)*

_____ Medicare [Part A: Hospital care]

_____ Medicare [Part B: Doctor's care]

_____ Private health insurance furnished by employer

_____ Private health insurance paid by self/spouse

_____ CHAMPUS [Military health insurance]

_____ Out-of-pocket for direct costs (not insurance payments)

_____ Medicaid [through DSS]

_____ Help from the family

_____ Others (please describe) _____

PERCEIVED SOCIAL SUPPORT

I now want to find out the support that is available to you from your family and friends.

20. About how many close friends and close relatives do you have (*that is, people you feel at ease with and can talk to about what is on your mind*)? _____

(Code99=no response/don't know)

People sometimes look to others for companionship, assistance, or other types of support. Using the choices on the card, *[Show Card 1]* please tell me how often each of the following kinds of support is available to you if you need it

	None of the time	A little of the time	Some of the time	Most of the time	All Of the time
21. Someone to help you if you were confined to bed.	1	2	3	4	5
22. Someone you can count on to listen to you when you need to talk.	1	2	3	4	5

	None of the time	A little of the time	Some of the time	Most of the time	All Of the time
23. Someone to give you good advice when you have a crisis.	1	2	3	4	5
24. Someone to take you to the doctor if you needed it.	1	2	3	4	5
25. Someone who shows you love and affection.	1	2	3	4	5
26. Someone to have a good time with.	1	2	3	4	5
27. Someone to give you information to help you understand a situation.	1	2	3	4	5
28. Someone to confide in or talk to about yourself or your problems.	1	2	3	4	5
29. Someone to do things with to help get your mind off your worries.	1	2	3	4	5
30. Someone to share your most private worries and fears with.	1	2	3	4	5
31. Someone who understands your problems.	1	2	3	4	5

32. How many days in the last six months have you stayed in the bed or restricted your activities because of illness. _____ number of days
(Code 99=no response/don't know)

33. Have you been a patient in the hospital overnight since January 1, 1999?

Yes.....1 [Continue to #34]

No2 [Go to #35]

(Code 99=no response/don't know)

34. How many different times did you stay in any hospital overnight or longer since January 1, 1999? _____times

(Code 99=no response/ don't know)

35. Since January 1, 1999, about how many times did you visit a medical doctor or physician's assistant? [*Do not count dentists, or doctors seen while an overnight patient in a hospital*]._____times

(Code 99=no response/don't know)

36. Looking at this card [*Show Card #2*], how would you rate your present overall state of health?

- Very Poor.....1
- Poor.....2
- Fair.....3
- Good.....4
- Excellent.....5

37. Looking at the card [*Show Card #3*] compared to blacks you know, at roughly your age, and earning roughly the same income, are you:

- Very much worse in health than most.....1
- Somewhat worse in health than most.....2
- About the same in health as most.....3
- Somewhat better in health than most.....4
- Very much better in health than most.....5

38. Compared to one year ago (i.e., since January 1, 1999) how do you rate your health in general now? *[Show Card #4]*

- Very much worse than one year ago.....1
- Somewhat worse than one year ago.....2
- About the same as one year ago.....3
- Somewhat better than one year ago.....4
- Very much better than one year ago.....5

39. Do you have a primary care doctor?

- Yes.....1 *(Continue to #40)*
- No.....2 *(Go to #41)*
- Don't Know/Refused.....3

40. As best as you can remember, how long have you been going to this doctor? *(Give the specific number according to your memory)*

_____ days, _____ weeks, _____, months, _____, years ago.

41. As best as you remember how many times did you see your doctor in the past year (i.e., since January 1, 1999), solely for a complete physical exam?

_____ times

42. How long ago was your last visit to the doctor?

Less than one month ago.....1

Less than 6 months ago.....2

Less than a year ago.....3

More than a year ago.....4

43. Was the doctor male or female?

Male.....1

Female.....2

44. Was the doctor from the same racial group as you?

Yes.....1

No.....2

45. Was your visit to the doctor for a specific problem or for a complete physical exam?

Specific problem.....1

Complete physical exam.....2

46. Was the doctor your primary care doctor?

Yes.....1

No.....2

47. Did you choose this doctor you saw?

Yes.....1

No.....2

I will now ask you a few questions about the physical activities you engage in.

Please answer Yes or No, if you engage in any of these activities. ***(Read each question and ask respondents to answer Yes or No. Record any refusal to answer the question in the appropriate column)***

	Yes	No	Refused/ Do not know
48. Do you run, lift weights, or participate in strenuous sports at least once a week?	1	2	3
49. Do you bowl, play golf, or ride a bicycle at least once a week?	1	2	3
50. Do you climb several flights of stairs at least once a week?	1	2	3

	Yes	No	Refused/ Do not know
51. Do you climb <i>one</i> flight of stairs at least once a week?	1	2	3
52. Do you walk more than a mile at least once a week?	1	2	3
53. Do you participate in any vigorous dance activity at least once a week?	1	2	3
54. Do you walk several blocks at least once a week?	1	2	3
55. Do you walk one block at least once a week?	1	2	3
56. Do you do aerobic exercises at least once a week?	1	2	3
57. Do you work out in a gym at least once a week?	1	2	3
58. Do you swim at least once a week?	1	2	3

In the last 12 months (since January 1, 1999), have you had or felt any of the following?

(Read each of the following symptoms to the respondent and record the responses. Follow up if they answer YES).

	Yes	No	Don't Know/Refused
59. Prolonged time before you begin urinating?	1	2	3
a) If Yes , did you feel this on most days for at least six weeks in a row?	1	2	3
b) Did you see a doctor about this problem?	1	2	3
60. Frequent need to urinate during the day or night?	1	2	3
a) If Yes , did you feel this on most days for at least six weeks in a row?	1	2	3
b) Did you see a doctor about this problem?	1	2	3
61. Pain in your groin when urinating?	1	2	3
a) If Yes , did you feel this on most days for at least six weeks in a row?	1	2	3
b) Did you see a doctor about this problem?	1	2	3

	Yes	No	Don't Know/Refused
62. Difficulty completely emptying your bladder when you urinate?	1	2	3
a) If Yes , did you feel this on most days for at least six weeks in a row?	1	2	3
b) Did you see a doctor about this problem?	1	2	3
63. Weak or interrupted flow of urine when you urinate?	1	2	3
a) If Yes , did you feel this on most days for at least six weeks in a row?	1	2	3
b) Did you see a doctor about this problem?	1	2	3
64. Stiffness in the lower back, hips, or upper thighs?	1	2	3
a) If Yes , did you feel this on most days for at least six weeks in a row?	1	2	3
b) Did you see a doctor about this problem?	1	2	3

65. Has any of these relatives been diagnosed with prostate cancer?

	Yes	No	Don't Know/Refused
a. Brother	1	2	3
b. Father	1	2	3
c. Grandfather	1	2	3
d. Uncle	1	2	3
e. Son	1	2	3

66. Has any of these relatives died from prostate cancer?

	Yes	No	Don't Know/Refused
a. Brother	1	2	3
b. Father	1	2	3
c. Grandfather	1	2	3
d. Uncle	1	2	3
e. Son	1	2	3

67. As best as you can remember how long ago did you get a complete physical exam from a doctor? (*Provide the specific number*)

_____ days, _____ weeks, _____ months, _____ years.

68. Was a prostate check through the rectum part of the physical exam?

Yes.....1

No.....2

Don't Know/Refused.....3

69. Has a doctor ever checked you for prostate cancer through a rectal exam?

Yes.....1 [*Continue to #71*]

No.....2 [*Go to # 70*]

Don't Know/Refused.....3 [*Go to # 70*]

70. Has your doctor ever suggested a prostate check through rectal exam to you?

Yes.....1 [*Continue to #71*]

No.....2 [*Go to # 73*]

Don't Know/Refused.....3 [*Go to # 73*]

71. As best as you remember, how many times has your doctor recommended that you have a prostate check through rectal exam? _____ times.

72. Have you ever refused your doctor's suggestion to have your prostate checked through a rectal exam?

Yes.....1

No.....2

Don't Know/Refused.....3

73. Has a doctor ever checked you for prostate cancer through a blood test?

Yes.....1 [***Go to # 75***]

No.....2 [***Go to # 74***]

Don't Know/Refused.....3 [***Go to # 74***]

74. Has your doctor ever suggested a prostate cancer check through a blood test to you?

Yes.....1 [***Continue to #75***]

No.....2 [***Go to # 77***]

Don't Know/Refused.....3 [***Go to # 77***]

75. As best as you remember, how many times has your doctor recommended that you have a prostate cancer check through a blood test? _____ times.

76. Have you ever refused your doctor's suggestion to have a prostate cancer check through a blood test?

Yes.....1

No.....2

Don't Know/Refused.....3

77. As best as you remember have you ever seen an urologist? (*An urologist is a specialist doctor who treats bladder, kidney, and/or prostate problems*)

Yes.....1

No.....2

Don't Know/Refused.....3

78. How many times have you seen an urologist since January 1, 1999?

_____times.

79. Have you ever been told by a doctor that you have any of the following:

	Yes	No	Don't know/Refused
a. Prostate infection	1	2	3
b. Enlarged prostate	1	2	3
c. Prostate cancer	1	2	3
d. Any other cancer	1	2	3

Please listen to the following statements I am about to read and give me your opinion on each statement. Please use the card for your responses. There is no right or wrong answer. *[Show Card #5]*

	Strongly Disagree	Disagree	Some what Disagree	Some what Agree	Agree	Strongly Agree
80. I'd rather pray to stay healthy than go for yearly prostate cancer check ups.	1	2	3	4	5	6
81. Prostate cancer check ups are too expensive.	1	2	3	4	5	6
82. It is too degrading to have a doctor check out my prostate.	1	2	3	4	5	6
83. If a prostate cancer check-up shows I have an illness, it will put too much financial strain on me, and my family.	1	2	3	4	5	6
84. I am too embarrassed to have a doctor check my prostate through the rectum.	1	2	3	4	5	6

	Strongly Disagree	Disagree	Some what Disagree	Some what Agree	Agree	Strongly Agree
85. Prostate cancer check ups are painful.	1	2	3	4	5	6
86. I know my prostate is healthy.	1	2	3	4	5	6
87. I do not worry about getting prostate cancer.	1	2	3	4	5	6
88. Prostate check-up procedures are too complicated.	1	2	3	4	5	6
89. When I feel healthy, I do not need a prostate check up.	1	2	3	4	5	6
90. Yearly prostate cancer check ups will help me do something good about my health.	1	2	3	4	5	6
91. A prostate check through my rectum will make me less a man.	1	2	3	4	5	6
92. Yearly prostate check ups are very important.	1	2	3	4	5	6

	Strongly Disagree	Disagree	Some what Disagree	Some what Agree	Agree	Strongly Agree
93. I am afraid of what a prostate cancer check through a blood test may find.	1	2	3	4	5	6
94. I am afraid what the doctor may find during a prostate check.	1	2	3	4	5	6
95. Too much is being made about yearly prostate check-ups.	1	2	3	4	5	6
96. I'd accept a blood test to find prostate cancer.	1	2	3	4	5	6
97. I will not willingly participate in yearly prostate cancer check-ups.	1	2	3	4	5	6
98. Yearly prostate cancer check ups are useful for finding any health problems early.	1	2	3	4	5	6

	Strongly Disagree	Disagree	Some what Disagree	Some what Agree	Agree	Strongly Agree
99. I fear yearly prostate cancer check-ups will show that I am sicker than I think.	1	2	3	4	5	6
100. I'd accept a rectal exam to find prostate cancer.	1	2	3	4	5	6
101. I will not go for prostate check-ups until it is really necessary.	1	2	3	4	5	6
102. Yearly prostate check ups is a waste of time and money.	1	2	3	4	5	6
103. Yearly prostate check ups will help me do something useful about my health.	1	2	3	4	5	6
104. Accepting a rectal exam of the prostate is a sign of homosexuality.	1	2	3	4	5	6

	Strongly Disagree	Disagree	Some what Disagree	Some what Agree	Agree	Strongly Agree
105. Regular prostate check up is a ploy by doctors to get more money.	1	2	3	4	5	6
106. A prostate check through the rectum is a normal part of a physical exam.	1	2	3	4	5	6
107. I should have a prostate check through the rectum once a year.	1	2	3	4	5	6
108. I should have yearly prostate cancer check-up through a blood test.	1	2	3	4	5	6
109. Lack of free medical care prevents me from getting regular prostate check up.	1	2	3	4	5	6
110. Regular prostate check ups will not do much for my health.	1	2	3	4	5	6

	Strongly Disagree	Disagree	Some what Disagree	Some what Agree	Agree	Strongly Agree
111. When I feel fine, I do not need to ask the doctor whether I have a serious illness.	1	2	3	4	5	6
112. Regular prostate check ups do not contribute much to one's health.	1	2	3	4	5	6
113. Regular prostate check up will not add more years to my life.	1	2	3	4	5	6
114. I have lived a good life, so a disease at this stage will not worry me too much.	1	2	3	4	5	6
115. Regular prostate check up is mostly good for younger men.	1	2	3	4	5	6
116. It is better I do not know about a prostate problem I may have.	1	2	3	4	5	6

	Strongly Disagree	Disagree	Some what Disagree	Some what Agree	Agree	Strongly Agree
117. Regular prostate check up will save me much pain.	1	2	3	4	5	6
118. Regular prostate check ups will help early detection of disease.	1	2	3	4	5	6
119. Regular prostate check up is important for avoiding prostate cancer.	1	2	3	4	5	6

Please listen to the following statements I am about to read and give me your opinion on each statement. Please use the card for your responses. There is no right or wrong answer. *[Show Card #5]*

	Strongly Disagree	Disagree	Some what Disagree	Some what Agree	Agree	Strongly Agree
120. When I get sick, I have the power to make myself well again.	1	2	3	4	5	6
121. If I am going to get sick, I will get sick no matter what I do.	1	2	3	4	5	6
122. Having a good doctor makes it less likely that I will be sick.	1	2	3	4	5	6
123. My health is very much influenced by things beyond my control.	1	2	3	4	5	6
124. Whether I stay healthy depends on the care and advice I get from my doctor.	1	2	3	4	5	6
125. Other people have a big say in whether I stay healthy or not.	1	2	3	4	5	6

	Strongly Disagree	Disagree	Some what Disagree	Some what Agree	Agree	Strongly Agree
126. I am responsible for staying healthy.	1	2	3	4	5	6
127. When I get sick it is the will of God.	1	2	3	4	5	6
128. It is my fault whenever something goes wrong with my health.	1	2	3	4	5	6
129. My health depends on how well I take care of myself.	1	2	3	4	5	6
130. When I get ill it is because I have not taken care of myself	1	2	3	4	5	6
131. The care I get from doctors and health workers determines whether I stay healthy.	1	2	3	4	5	6
132. It is easy to get sick even when I take care of myself.	1	2	3	4	5	6

Considering the doctor you see for your general health needs, to what extent do you agree or disagree with the following statements about the doctor? There are no right or wrong answers. Please look at the card and tell me the answer that best says what you feel. *[Show card #5]*

	Strongly Disagree	Disagree	Slightly Disagree	Slightly Agree	Agree	Strongly Agree
133. I am satisfied with the way the doctor treats me.	1	2	3	4	5	6
134. I can freely discuss my health concerns with the doctor.	1	2	3	4	5	6
135. I look forward to going to see the doctor about my health concerns.	1	2	3	4	5	6
136. The doctor takes time to listen to me.	1	2	3	4	5	6
137. The doctor shows interest in my health concerns.	1	2	3	4	5	6

	Strongly Disagree	Disagree	Slightly Disagree	Slightly Agree	Agree	Strongly Agree
138. The doctor clearly answers my questions about my health.	1	2	3	4	5	6
139. The doctor recommends appropriate treatment for my health needs.	1	2	3	4	5	6
140. The doctor follows closely the progress I make in my health.	1	2	3	4	5	6
141. The doctor is competent in his/ her work.	1	2	3	4	5	6
142. I trust the doctor's opinion about my health.	1	2	3	4	5	6
143. I have considered changing to a different doctor.	1	2	3	4	5	6

	Strongly Disagree	Disagree	Slightly Disagree	Slightly Agree	Agree	Strongly Agree
144. The doctor tells me what I have to do to improve my health.	1	2	3	4	5	6
145. I follow closely all the doctor's recommendations.	1	2	3	4	5	6
146. The doctor is committed to doing the best for my health.	1	2	3	4	5	6
147. The doctor does not hide information from me.	1	2	3	4	5	6
148. The doctor tells me the reasons for doing every test <i>he/she</i> recommends.	1	2	3	4	5	6
149. The doctor clearly explains every test result to me.	1	2	3	4	5	6

	Strongly Disagree	Disagree	Slightly Disagree	Slightly Agree	Agree	Strongly Agree
150. The doctor allows me to ask questions.	1	2	3	4	5	6
151. The doctor will not do anything harmful to me.	1	2	3	4	5	6
152. The doctor will not do research on me without asking my permission.	1	2	3	4	5	6
153. After talking with the doctor, I know much about my state of health.	1	2	3	4	5	6
154. The doctor will not use any material I give him/her for research without my permission.	1	2	3	4	5	6
155. The doctor helps relieve my concerns about my health.	1	2	3	4	5	6

	Strongly Disagree	Disagree	Slightly Disagree	Slightly Agree	Agree	Strongly Agree
156. After talking with the doctor, I have a good idea of what I need to do to be healthy.	1	2	3	4	5	6
157. The doctor gives me a chance to ask questions about my health.	1	2	3	4	5	6
158. The doctor tells me all I want to know about my state of health.	1	2	3	4	5	6
159. The doctor is sympathetic to my health concerns.	1	2	3	4	5	6
160. The doctor provides satisfactory answers to questions about my health.	1	2	3	4	5	6
161. The doctor is not friendly to me.	1	2	3	4	5	6

	Strongly Disagree	Disagree	Slightly Disagree	Slightly Agree	Agree	Strongly Agree
162. The doctor gives me a chance to say what is really on my mind.	1	2	3	4	5	6
163. I understand very well the doctor's plans for my health.	1	2	3	4	5	6
164. The doctor is good at explaining everything about my health to me	1	2	3	4	5	6
165. After talking to the doctor, I feel much better about my health.	1	2	3	4	5	6
166. I feel that the doctor really understands my concerns.	1	2	3	4	5	6
167. I feel free to talk to the doctor about all my health concerns.	1	2	3	4	5	6

	Strongly Disagree	Disagree	Slightly Disagree	Slightly Agree	Agree	Strongly Agree
168. The doctor doesn't take my health concerns seriously.	1	2	3	4	5	6
169. The doctor gives me a thorough medical examination.	1	2	3	4	5	6
170. I can trust the doctor to make the right decisions about my health.	1	2	3	4	5	6
171. The doctor does not spend enough time with me.	1	2	3	4	5	6
172. The doctor seems rushed during his/her examination of me.	1	2	3	4	5	6
173. The doctor looks into all the problems I mention.	1	2	3	4	5	6

	Strongly Disagree	Disagree	Slightly Disagree	Slightly Agree	Agree	Strongly Agree
174. The doctor tells me everything I need to know about my health.	1	2	3	4	5	6

175. Please answer the following questions with a *Yes* or *No* response.

	Yes	No	Don't Know/ Refused
a. Do you eat fruits at least once a day?	1	2	3
b. Do you eat vegetables at least once a day?	1	2	3
c. Do you drink alcohol?	1	2	3
If <i>Yes</i> , do you drink everyday?	1	2	3
d. Do you smoke?	1	2	3
e. If <i>Yes</i> , do you smoke everyday?	1	2	3

176. In your opinion, how important will the following be in your decision to have your prostate checked through rectal exam by a doctor. Please look at the card *[Show Card #6]*, and tell me how important each item is to you. There are no right or wrong answers

	Absolutely not important	Not important	Barely Important	Important	Absolutely Important
a. Your ability to pay for the check up.	1	2	3	4	5
b. How sick you feel.	1	2	3	4	5
c. Availability of transportation	1	2	3	4	5
d. Your doctor recommends it.	1	2	3	4	5
e. The doctor is a black man.	1	2	3	4	5
f. It is the right thing to do.	1	2	3	4	5
g. Someone you know does it.	1	2	3	4	5
h. How friendly the personnel at the hospital are to you.	1	2	3	4	5
i. Someone you know recommends it.	1	2	3	4	5

	Absolutely not important	Not important	Barely Important	Important	Absolutely Important
j. You read about the importance of regular prostate check ups.	1	2	3	4	5
k. Someone you know is diagnosed with prostate cancer	1	2	3	4	5
l. Someone you know dies from prostate cancer.	1	2	3	4	5
m. To be sure you are in good health.	1	2	3	4	5
n. You participate in a workshop on prostate cancer.	1	2	3	4	5

I just have a few more questions, again, thank you for being so patient.

177. Looking at this card [*show card #7*] please tell me the number that comes closest to the income that you (*if married-* and your spouse) have in a year.

_____ (*Code 99= no response/don't know*)

178. How many people all together live on this income (that is, it provides at least $\frac{1}{2}$ of their support)? _____ (*Code 99= no response/don't know*)

179. What is the highest level of education you have received?

No Formal Education.....1
Less than High School.....2
Some High School.....3
High School Graduate.....4
Some College.....5
College Graduate.....6
Post Graduate Degree.....7

180. How well does the amount of money you (*and/or your spouse*) have take care of your needs?

Very Poorly.....1
Poorly.....2
Barely.....3
Well.....4
Very Well.....5

Changing the Attitudes and Behaviors of Black Men to Screening for Prostate Cancer

Follow Up Interview Instrument

Interviewer Name: _____

Interview ID # _____

Date of Interview: _____ / _____ / _____
Month Day Year

General Comments/ Observations _____

General Instructions for Subject Interview:

If the respondent refuses to answer a question during the interview, record the reason they gave for refusing in the space provided next to the item. Do not ask them to tell you the reason for refusing.

GENERAL DEMOGRAPHIC INFORMATION

Ask the respondent the following questions, and record their responses, or make the observation and record the response.

(Unless otherwise indicated, code 99=no response/don't know)

1. What year and month were you born? Month _____ Year _____

2. Which of the following best describes you now?

Married.....1

Widowed.....2

Divorced.....3

Separated.....4

3. How long have you been *married, widowed, divorced, or separated*?

[Chose from the response to # 2] _____ years _____ months

(Leave the respondent to give you the length)

4. Do you currently work for pay?

Yes.....1

No.....2 *(Go to #7)*

5. How many hours a week do you work for pay? _____ Hours

(Code 99=no response/don't know)

6. What kind of work do you do now? _____

(Ask follow up questions to give as MUCH DETAIL as possible until you feel you know exactly what they did)

If Respondent is not currently married: Go to #11

7. Does your spouse currently work for pay?

Yes.....1 *(Continue to #8)*

No.....2 *(Go to #10)*

8. How many hours a week does your spouse work for pay? _____ hours

(Code 99=no response/don't know)

9. What kind of work does your spouse do now? _____

(Ask follow up questions to give as MUCH DETAIL as possible probe until you feel you know exactly what they did)

10. In what kind of business or industry did your spouse work (for most of his/her working life)? _____

11. How many days in the last six months have you stayed in the bed or restricted your activities because of illness. _____ number of days
(Code 99=no response/don't know)

12. Have you been a patient in the hospital overnight since January 1, 2000?

Yes.....1 [Continue to #13]

No2 [Go to #14]

(Code 99=no response/don't know)

13. How many different times did you stay in any hospital overnight or longer since January 1, 2000? _____times

(Code 99=no response/ don't know)

14. Since January 1, 2000, about how many times did you visit a medical doctor or physician's assistant? [*Do not count dentists, or doctors seen while an overnight patient in a hospital*]._____times

(Code 99=no response/don't know)

15. Looking at this card [*Show Card #1*], how would you rate your present overall state of health?

Very Poor.....1

Poor.....2

Fair.....3

Good.....4

Excellent.....5

16. Do you have a primary care doctor?

Yes.....1

No.....2

Don't Know/Refused.....3

17. How long ago was your last visit to the doctor?

Less than one month ago.....1

Less than 6 months ago.....2

Less than a year ago.....3

More than a year ago.....4

18. Was the doctor male or female?

Male.....1

Female.....2

19. Was the doctor from the same racial group as you?

Yes.....1

No.....2

20. Was your visit to the doctor for a specific problem or for a complete physical exam?

Specific problem.....1

Complete physical exam.....2

21. Was the doctor your primary care doctor?

Yes.....1

No.....2

22. Did you choose this doctor you saw?

Yes.....1

No.....2

Since the discussions on prostate cancer screening have you had or felt any of the following? (*Read each of the following symptoms to the respondent and record the responses. Follow up if they answer YES*).

	Yes	No	Don't Know/Refused
23. Prolonged time before you begin urinating?	1	2	3
a) If Yes , did you feel this on most days for at least six weeks in a row?	1	2	3
b) Did you see a doctor about this problem?	1	2	3
24. Frequent need to urinate during the day or night?	1	2	3
a) If Yes , did you feel this on most days for at least six weeks in a row?	1	2	3
b) Did you see a doctor about this problem?	1	2	3
25. Pain in your groin when urinating?	1	2	3
a) If Yes , did you feel this on most days for at least six weeks in a row?	1	2	3
b) Did you see a doctor about this problem?	1	2	3

	Yes	No	Don't Know/Refused
26. Difficulty completely emptying your bladder when you urinate?	1	2	3
a) If Yes , did you feel this on most days for at least six weeks in a row?	1	2	3
b) Did you see a doctor about this problem?	1	2	3
27. Weak or interrupted flow of urine when you urinate?	1	2	3
a) If Yes , did you feel this on most days for at least six weeks in a row?	1	2	3
b) Did you see a doctor about this problem?	1	2	3
28. Stiffness in the lower back, hips, or upper thighs?	1	2	3
a) If Yes , did you feel this on most days for at least six weeks in a row?	1	2	3
b) Did you see a doctor about this problem?	1	2	3

29. Following the discussions on prostate cancer has a doctor checked you for prostate cancer through a rectal exam?

Yes.....1

No.....2

Don't Know/Refused.....3

30. Following the discussions on prostate screening has a doctor checked you for prostate cancer through a blood test?

Yes.....1

No.....2

Don't Know/Refused.....3

31. How would you rate the information provided during the discussions on prostate cancer screening?

Absolutely useful.....1

Useful.....2

Somewhat useful.....3

Somewhat useless.....4

Useless.....5

Absolutely useless.....6

Please listen to the following statements I am about to read and give me your opinion on each statement. Please use the card for your responses. There is no right or wrong answer. *[Show Card #2]*

	Strongly Disagree	Disagree	Some what Disagree	Some what Agree	Agree	Strongly Agree
32. I'd rather pray to stay healthy than go for yearly prostate cancer check ups.	1	2	3	4	5	6
33. Prostate cancer check ups are too expensive.	1	2	3	4	5	6
34. It is too degrading to have a doctor check out my prostate.	1	2	3	4	5	6
35. If a prostate cancer check-up shows I have an illness, it will put too much financial strain on me, and my family.	1	2	3	4	5	6
36. I am too embarrassed to have a doctor check my prostate through the rectum.	1	2	3	4	5	6

	Strongly Disagree	Disagree	Some what Disagree	Some what Agree	Agree	Strongly Agree
37. Prostate cancer check ups are painful.	1	2	3	4	5	6
38. I know my prostate is healthy.	1	2	3	4	5	6
39. I do not worry about getting prostate cancer.	1	2	3	4	5	6
40. Prostate check-up procedures are too complicated.	1	2	3	4	5	6
41. When I feel healthy, I do not need a prostate check up.	1	2	3	4	5	6
42. Yearly prostate cancer check ups will help me do something good about my health.	1	2	3	4	5	6
43. A prostate check through my rectum will make me less a man.	1	2	3	4	5	6
44. Yearly prostate check ups are very important.	1	2	3	4	5	6

	Strongly Disagree	Disagree	Some what Disagree	Some what Agree	Agree	Strongly Agree
45. I am afraid of what a prostate cancer check through a blood test may find.	1	2	3	4	5	6
46. I am afraid what the doctor may find during a prostate check.	1	2	3	4	5	6
47. Too much is being made about yearly prostate check-ups.	1	2	3	4	5	6
48. I'd accept a blood test to find prostate cancer.	1	2	3	4	5	6
49. I will not willingly participate in yearly prostate cancer check-ups.	1	2	3	4	5	6
50. Yearly prostate cancer check ups are useful for finding any health problems early.	1	2	3	4	5	6

	Strongly Disagree	Disagree	Some what Disagree	Some what Agree	Agree	Strongly Agree
51. I fear yearly prostate cancer check-ups will show that I am sicker than I think.	1	2	3	4	5	6
52. I'd accept a rectal exam to find prostate cancer.	1	2	3	4	5	6
53. I will not go for prostate check-ups until it is really necessary.	1	2	3	4	5	6
54. Yearly prostate check ups is a waste of time and money.	1	2	3	4	5	6
55. Yearly prostate check ups will help me do something useful about my health.	1	2	3	4	5	6
56. Accepting a rectal exam of the prostate is a sign of homosexuality.	1	2	3	4	5	6

	Strongly Disagree	Disagree	Some what Disagree	Some what Agree	Agree	Strongly Agree
57. Regular prostate check up is a ploy by doctors to get more money.	1	2	3	4	5	6
58. A prostate check through the rectum is a normal part of a physical exam.	1	2	3	4	5	6
59. I should have a prostate check through the rectum once a year.	1	2	3	4	5	6
60. I should have yearly prostate cancer check-up through a blood test.	1	2	3	4	5	6
61. Lack of free medical care prevents me from getting regular prostate check up.	1	2	3	4	5	6
62. Regular prostate check ups will not do much for my health.	1	2	3	4	5	6

	Strongly Disagree	Disagree	Some what Disagree	Some what Agree	Agree	Strongly Agree
63. When I feel fine, I do not need to ask the doctor whether I have a serious illness.	1	2	3	4	5	6
64. Regular prostate check ups do not contribute much to one's health.	1	2	3	4	5	6
65. Regular prostate check up will not add more years to my life.	1	2	3	4	5	6
66. I have lived a good life, so a disease at this stage will not worry me too much.	1	2	3	4	5	6
67. Regular prostate check up is mostly good for younger men.	1	2	3	4	5	6
68. It is better I do not know about a prostate problem I may have.	1	2	3	4	5	6

	Strongly Disagree	Disagree	Some what Disagree	Some what Agree	Agree	Strongly Agree
69. Regular prostate check up will save me much pain.	1	2	3	4	5	6
70. Regular prostate check ups will help early detection of disease.	1	2	3	4	5	6
71. Regular prostate check up is important for avoiding prostate cancer.	1	2	3	4	5	6

Please listen to the following statements I am about to read and give me your opinion on each statement. Please use the card for your responses. There is no right or wrong answer. *[Show Card #2]*

	Strongly Disagree	Disagree	Some what Disagree	Some what Agree	Agree	Strongly Agree
72. When I get sick, I have the power to make myself well again.	1	2	3	4	5	6
73. If I am going to get sick, I will get sick no matter what I do.	1	2	3	4	5	6
74. Having a good doctor makes it less likely that I will be sick.	1	2	3	4	5	6
75. My health is very much influenced by things beyond my control.	1	2	3	4	5	6
76. Whether I stay healthy depends on the care and advice I get from my doctor.	1	2	3	4	5	6
77. Other people have a big say in whether I stay healthy or not.	1	2	3	4	5	6

	Strongly Disagree	Disagree	Some what Disagree	Some what Agree	Agree	Strongly Agree
78. I am responsible for staying healthy.	1	2	3	4	5	6
79. When I get sick it is the will of God.	1	2	3	4	5	6
80. It is my fault whenever something goes wrong with my health.	1	2	3	4	5	6
81. My health depends on how well I take care of myself.	1	2	3	4	5	6
82. When I get ill it is because I have not taken care of myself	1	2	3	4	5	6
83. The care I get from doctors and health workers determines whether I stay healthy.	1	2	3	4	5	6
84. It is easy to get sick even when I take care of myself.	1	2	3	4	5	6

85. In your opinion, how important will the following be in your decision to have your prostate checked through rectal exam by a doctor in future. Please look at the card *[Show Card #3]*, and tell me how important each item is to you.

There are no right or wrong answers

	Absolutely not important	Not important	Barely Important	Important	Absolutely Important
a. Your ability to pay for the check up.	1	2	3	4	5
b. How sick you feel.	1	2	3	4	5
c. Availability of transportation	1	2	3	4	5
d. Your doctor recommends it.	1	2	3	4	5
e. The doctor is a black man.	1	2	3	4	5
f. It is the right thing to do.	1	2	3	4	5
g. Someone you know does it.	1	2	3	4	5
h. How friendly the personnel at the hospital are to you.	1	2	3	4	5
i. Someone you know recommends it.	1	2	3	4	5

	Absolutely not important	Not important	Barely Important	Important	Absolutely Important
j. You read about the importance of regular prostate check ups.	1	2	3	4	5
k. Someone you know is diagnosed with prostate cancer	1	2	3	4	5
l. Someone you know dies from prostate cancer.	1	2	3	4	5
m. To be sure you are in good health.	1	2	3	4	5
n. You participate in a workshop on prostate cancer.	1	2	3	4	5

Thank You for Responding to These Questions.